

Delta V Database Support Metrics

Estimated Story Points:

1. Merge two tables containing large amounts of vehicle data

Move large amounts of vehicle data from one table into another, accounting for duplicate and overlapping data.

15 points

2. Add new tables to the database based on what is needed from desktop team

Enter new columns into the database in order to hold data that the desktop team will need for their implementation.

5 points

3. Import new vehicle data into the database

Data for 2019-2020 vehicles will be arriving during the semester, and we will need to import the new information into the database when it becomes available.

7 points

4. Allow website access to database for password retrieval

The website will have a password retrieval feature, and we will need to ensure that the correct data is being retrieved to reset the end user's password.

3 points

5. Communicate with desktop team and customer

We will be working alongside the desktop team this semester, and it is crucial that we communicate with them in order to keep the database updated to fit their needs and keep the customer happy.

3 points

6. Database maintenance

It is our job to make sure the database is functioning correctly throughout the semester. This includes ensuring the data is valid and the desktop and mobile teams as well as end users are able to access and store data.

3 points

Actual Lines of code – as implemented

We have not currently written any lines of code. We have written several queries to add, search for, and delete information from the database, but we do not save the queries that we run.

Complexity

As we are working with a database, there are no classes being used, so I am going to leave this section blank.

Product Size

There are currently six user stories that total 36 story points in size. We expect the first user story – merging the two tables – to take about four weeks in total. That story is worth 15 points for a reference to compare story points to time. We do not currently have any acceptance test plans.

Product Effort

Each person on the team is working roughly 5 hours per week on the project, which means that a total of 20 hours per week are being spent on the project.

Defects

We have run into two defects already, both of which should not pose a problem. The first defect was an issue where there were thousands of duplicate rows in the database. We will remove these duplicates and continue with the merging process. The second issue that we found were rows that were completely identical except for the curb weight value of the vehicle. The customer told us to take the vehicle with the lightest curb weight, and to ignore the others.

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Jacob Huff: 471